



QY 121 TGGGCAAGAGGAGAGAGTTCCTGCTGCGGCTGGTGGATTCGACATGATCTTGGTAA 180  
 |||||  
 Db 121 TGGGGCAAGAGGAGAGAGTTCCTGCTGCGGCTGGTGGATTCGACATGATCTTGGTAA 180  
 QY 181 GTGTGGCGATTCCCTACATCTGTTAACAAGATGAGGCGGTGCTGTGATCCGTTAC 240  
 |||||  
 Db 181 GTGTGGCGATTCCCTACATCTGTTAACAAGATGAGGCGGTGCTGTGATCCGTTAC 240  
 QY 241 TGGGATATGCTGTGTTGGGCGGCTGGCGGTGCTTCTCGGAATCGAGTGGCGGCGG 300  
 |||||  
 Db 241 TGGGATATGCTGTGTTGGGCGGCTGGCGGTGCTTCTCGGAATCGAGTGGCGGCGG 300  
 QY 301 TACACCGCTGGGCTGCTCTACCTCTCTGTGAAACGGATCGCCCGCTTAAAGGTGTC 360  
 |||||  
 Db 301 TACACCGCTGGGCTGCTCTACCTCTCTGTGAAACGGATCGCCCGCTTAAAGGTGTC 360  
 QY 361 GGGTATGCGCATCTGCAATCGACATCTACATGGGATGATCTACACACGATCATCGA 420  
 |||||  
 Db 361 GGGTATGCGCATCTGCAATCGACATCTACATGGGATGATCTACACACGATCATCGA 420  
 QY 421 TGGGCGGTGATTACCTGATCGCTTCTGCGGCTATATAAGCTGTGGCTGCGCATGGAC 480  
 |||||  
 Db 421 TGGGCGGTGATTACCTGATCGCTTCTGCGGCTATATAAGCTGTGGCTGCGCATGGAC 480  
 QY 481 AGCTGGACAGAGATGGAACACGCGCTGTGCACGCGGTACCTACCTGACACTAAT 540  
 |||||  
 Db 481 AGCTGGACAGAGATGGAACACGCGCTGTGCACGCGGTACCTACCTGACACTAAT 540  
 QY 541 CCTAATCTTTACACCGCGGAGAGGATTTCTGAAACGTAATGATTGAGACGACAA 600  
 |||||  
 Db 541 CCTAATCTTTACACCGCGGAGAGGATTTCTGAAACGTAATGATTGAGACGACAA 600  
 QY 601 TCTAAGCGGCTGGATACATGGGCGGATCAAGCCGCTGCTGTGTGTGTCGGG 660  
 |||||  
 Db 601 TCTAAGCGGCTGGATACATGGGCGGATCAAGCCGCTGCTGTGTGTGTCGGG 660  
 QY 661 GTCTTTGTCTCTGCTACTTCTCTCTGTGAAAGAGTGAAGAGTGGTGTG 720  
 |||||  
 Db 661 GTCTTTGTCTCTGCTACTTCTCTCTGTGAAAGAGTGAAGAGTGGTGTG 720  
 QY 721 TGGGTGACAGCTGTGGCGCGGCTACGAGTGGCTGCTGATCTGTGGCGAGGCGTCACG 780  
 |||||  
 Db 721 TGGGTGACAGCTGTGGCGCGGCTACGAGTGGCTGCTGATCTGTGGCGAGGCGTCACG 780  
 QY 781 CTTCACGAGAGCGAGGAGGATACGCTACTACTTACCCAGAGTGGACAAATTTGCA 840  
 |||||  
 Db 781 CTTCACGAGAGCGAGGAGGATACGCTACTACTTACCCAGAGTGGACAAATTTGCA 840  
 QY 841 AACTCTAAGGATGATGATGACGCGGATCCAGATTTCTCTGCTGCTGCGGCTTC 900  
 |||||  
 Db 841 AACTCTAAGGATGATGATGACGCGGATCCAGATTTCTCTGCTGCTGCGGCTTC 900  
 QY 901 GGAACCTTACTGGCGCTTCCAGCTTCAACAAGTTCAACAACAGCTACAGGAGCGG 960  
 |||||  
 Db 901 GGAACCTTACTGGCGCTTCCAGCTTCAACAAGTTCAACAACAGCTACAGGAGCGG 960  
 QY 961 CTCATCACTTCTTCTTCAACTGCTTACGACGCTTCTGCTGTGTTCTCTCATTTTCG 1020  
 |||||  
 Db 961 CTCATCACTTCTTCTTCAACTGCTTACGACGCTTCTGCTGTGTTCTCTCATTTTCG 1020  
 QY 1021 GTTTTGGGTACATGGCGGACGTTCAACAAGAGCATGAGAGGTTGGCTCGAAGGC 1080  
 |||||  
 Db 1021 GTTTTGGGTACATGGCGGACGTTCAACAAGAGCATGAGAGGTTGGCTCGAAGGC 1080  
 QY 1081 CCGGAGCTGTGTATGCTGATACCGGAGGCGATCGCACCATGACGCGCTCGGTTTC 1140  
 |||||  
 Db 1081 CCGGAGCTGTGTATGCTGATACCGGAGGCGATCGCACCATGACGCGCTCGGTTTC 1140  
 QY 1141 TGGGCGCATGATCTTCTCTCATAGTTTATACCTGGAGCTGACAGTACTTTTGGAGGT 1200  
 |||||  
 Db 1141 TGGGCGCATGATCTTCTCTCATAGTTTATACCTGGAGCTGACAGTACTTTTGGAGGT 1200  
 QY 1201 GTTGAAGGACGACACAGGCTCTTGTGCAAGAAATATCTCGAGTGTATTAGGACAGATCGC 1260

Db 1201 CTTGAGGAGAGTACACACGCGCTCTTTGGCAGGAATATCCTCGAGTGTATGAGCAGATCGC 1260  
 QY 1261 GAAGTATTTGGTGGCTACTGCTTCTGTTCAATCTATATTGGCTGTGCCACACACACA 1320  
 |||||  
 Db 1261 GAAGTATTTGGTGGCTACTGCTTCTGTTCAATCTATATTGGCTGTGCCACACACACA 1320  
 QY 1321 TACGGGTGTATATCTGTAGACCTACATCATGATGATGAGGCGGATGAGGATTTCA 1380  
 |||||  
 Db 1321 TACGGGTGTATATCTGTAGACCTACATCATGATGATGAGGCGGATGAGGATTTCA 1380  
 QY 1381 TTGCTGTATTTGCTGAGGCTGCGGCGTGTGCTGGGTATGAGGCTGACCGTTCTCT 1440  
 |||||  
 Db 1381 TTGCTGTATTTGCTGAGGCTGCGGCGTGTGCTGGGTATGAGGCTGACCGTTCTCT 1440  
 QY 1441 GAAGATGTAGAGACCATGCTGGGCGACACCCCTGATGTTCTGTGAGAGACCTGTGTCT 1500  
 |||||  
 Db 1441 GAAGATGTAGAGACCATGCTGGGCGACACCCCTGATGTTCTGTGAGAGACCTGTGTCT 1500  
 QY 1501 TACATGATCCGCTATTTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1560  
 |||||  
 Db 1501 TACATGATCCGCTATTTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1560  
 QY 1561 ATGCTGGCGGGGAATACACCTATCCCTCATGATGATGATGATGATGATGATGATGATG 1620  
 |||||  
 Db 1561 ATGCTGGCGGGGAATACACCTATCCCTCATGATGATGATGATGATGATGATGATGATG 1620  
 QY 1621 GGCACACCGCTCTCGGATTTCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1680  
 |||||  
 Db 1621 GGCACACCGCTCTCGGATTTCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1680  
 QY 1681 AATTGATCAACCGCATCAAGAACATCCACGATCCGGAAGTACGATGATGATGATGATG 1740  
 |||||  
 Db 1681 AATTGATCAACCGCATCAAGAACATCCACGATCCGGAAGTACGATGATGATGATGATG 1740  
 QY 1741 GACTTACCTTATGCAACTGTGA 1764  
 |||||  
 Db 1741 GACTTACCTTATGCAACTGTGA 1764  
 RESULT 2  
 US-10-144-771-11577  
 ; Sequence 11577, Application US/10144771  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig  
 ; TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF  
 ; FILE REFERENCE: C1001321  
 ; CURRENT APPLICATION NUMBER: US/10/144,771  
 ; CURRENT FILING DATE: 2002-05-15  
 ; NUMBER OF SEQ ID NOS: 47235  
 ; SEQ ID NO 11577  
 ; LENGTH: 2745  
 ; TYPE: DNA  
 ; ORGANISM: HUMAN  
 US-10-144-771-11577  
 Query Match 32.9%; Score 579.8; DB 14; Length 2745;  
 Best Local Similarity 59.8%; Pred. No. 1.2e-165;  
 Matches 989; Conservative 0; Mismatches 662; Indels 3; Gaps 1;

Db	577	TCGCCGCTCTACATGAGAGCTGCACCCCTGGGCCAGTACACCAAAATGGGTGCACTTTCTA	636
OY	326	TCGGAAGAGGATGTGCCCGCGCTTAAAGGTGTCGGCTATGCCATCTGCATGATCGACA	385
Db	637	TATGAGAGAGATCTGCCCGCATTTTCAAAAGGCAATGGCTATGCCATCTGCATCATTTGGCT	696
OY	386	TCCTACATGGGATCTACTACAAACAGATCATCGGATGGGGGGGTATTAATTCGATTCGGTT	445
Db	697	TTTATATCGCCTCTACTATATACCATCATATAGCCTGGGGCCTCTACTACCTCATCTCTCT	756
OY	446	CTCTCGGCTATTAATACTGTGTGCTGCCATGAGCCAGCTGGCAGACAGTGAACAACGC	505
Db	757	CCCTCAGGAGACACTGCGCTGGACACAGCTCGAAGAACTTTGGAACACTGGCACTGCA	816
OY	506	CGCGTGCAGCCCGGTACACTCCACTCAGACTAATTCCTAATCTTTCTACACCCGGCAAGG	565
Db	817	CCAACTACTTCGCCAGAGCAACATCACCTGGACATCTCATTTCCACGTCACCTCTCGAGG	876
OY	566	AGTTCTTCGAAAGTATATTTATTTGGAGCAGCACAAGTCTAACGGCCTGGATACATGGAGGC	625
Db	877	AGTTTACTCTGCGCATGTCTCTGCAAGATCCATCATGTAAAGGAACTCCAGGACCGGGGA	936
OY	626	CGATCAAGCCCTCGCTGGCTCTGTGTGTGTTCGGGGCTTTTGTCTCTCTACTTCTCTCT	685
Db	937	CCATACAGCTGCACACTGGCTCTCTGTCATCATGATCATCTTCCATTAATTTACTTACACA	996
OY	686	TGTTGAAAGAGTACAGAGTCTGTGCAAGAGTGTGTGGTGACAGCTGTGCCCCGTACG	745
Db	997	TCGTGAAAGAGTCAAAACGTCGTGGCAAGTGTGTGTGGTGTACACCCACTTCCCTTACA	1056
OY	746	TGTGTGCTGTGATTCGTCTGTGGCGAAGGCGTACGCTTCCAGAGACGAGGAGGCATAC	805
Db	1057	TTGTCTCTTTCGTCTGTGTGGAGGGAGGCGACCTTCTCGAGAGCCGTGAGAGGGGCTTG	1116
OY	806	GCTACTACCTTACCCACAGAGGGAACAATTTGCAAAACTCTAAGTATGATATGATGACGGG	865
Db	1117	TCCTTTACTTAAACCACACTGGCAAGAACTCTTGGAGACAGGGGTGTGGGTGTGATGTG	1176
OY	866	CATCCAGATTTTCTCTGTGCTGCGTCCGGGTTTCGGAACCTACTGAGCGCTCTCCACT	925
Db	1177	CGGCTCAGATCTTCTTCTCTGTGGCCCGGGGTTTGGGCTTCTCGTGGCGTTTGTACT	1236
OY	926	ACACAGTTCACAAACACTGCTACAGGAGCGGCTATATCTTCTTCTATCAACTGCT	985
Db	1237	ACAACAGTTCACAAACACTGTTACCAAGATGCCCTGTGACCAAGTGTGTGAACCTGCA	1296
OY	986	TGACACAGTCTCTGTGCTTTCGATATTTCTCGGTTTGGGGTATGCGGACGCTTC	1045
Db	1297	TGACAGAGTTCGTCTGTGCTTGTGTGATCTTACAGGTCTTGGCTACATGGCTGAGATGA	1356
OY	1046	AGAACAGAGCAT---CGAGGAGTTGGCTTCGAAGGCCCTGGAGCTGGTGTTCATCGTGT	1102
Db	1357	GGAAAGAAAGAGTGTCCGAGGTGGCCAAAGACGGGGGCCCAAGCTCTCTTTATCATCAT	1418
OY	1103	ACCCGAGGCGATGCGCACATGAGCCGCGCTCGGTGTGGGCCATCATCTTCTTCCCA	1166
Db	1417	ATGCGGAGGCAATAGCTACATGCCAGCATCACAATTTTGGCCATCATCTTCTTCCCA	1476
OY	1163	TGCTTATTTACCTGGGACTGTGACAGTATTTTGGAGGCTTGGAGCACTCAGCGGCTC	1222
Db	1477	TGTTAATCACCTGGGTTTGGATAGTACGTTTTCAGGCTCGAAGGTTGTATCACAGCTG	1536
OY	1223	TTTGGAGAGATATCTCCGAGTGTTAGGCAACATCGGAAGTATTTGTGGCTGATCTGC	1288
Db	1537	TGTTGGATGAGATTTCTCTACATCTGGGCGAAGCGAGGAAATGGTTTGTCTCATCGTG	1596
OY	1283	TTTGTCTCATATATTTGGCCTGTGCCACACACATATAGGTTGTATATCTCTGAG	1342
Db	1597	TCATCAGTGTGATCTGTGGATTCCTGCTCACAGTACACTCAGAGAGGGCGATATGGTGA	1656
OY	1343	ACCTACTCAATGTGTATGGCCCTGGATTTCAATCTGTGATTTTGTCTGAGGCTG	1402

D	b		1657	CCCGTGGAGGATACGCCACGGGGCCAGAGTGCTCACGTGGGCCTCATGAGGCGC	1716
O	y		1403	CCGGCGTGTGCTGGGCTATTAGCCCTGCACCGGTTCTCTGAAGATGTGAGCAACTCTGG	1462
D	b		1717	TTCGTCGCTCTGGTTTATTGAAATCTACTAGTTCTCTACAGCAGCTGAAGAATATCTGG	1776
O	y		1463	GCGCACCCCCGGATGGTTCTGGAGGACCTGGTGGTCTTACATPAGTCCGGTATCTTGC	1522
D	b		1777	GCTTCACACCCCGGATGGTTTTGGAGAGATCTGTCGTGGTGCCATCAGTCTCTTTTCC	1836
O	y		1523	TGTCGTCTTCGTGTTCTCCGTTCTGCGACACGAGAGATCTGCGGGGGAATTAACCT	1582
D	b		1837	TGTTCAATCATTTTGCAGTTTTTTTTGATGTAGTCACCCCACAATCCGGCTTTTCCAATTAAT	1896
O	y		1583	ATCCCTAATGTTCTATACCGTAGCTGGGTGGATGAGACCAGCACCGTCTCGTGCAATTC	1642
D	b		1897	ATCCCACTGAGATATATCTTGGCTACTGTGCATGTAGSAAACATGCTGTGATCTGCATCC	1956
O	y		1643	CTCTTTACATTATCTACAAACTGCTCATCTCTCGGCCAATTTGCATTAACCGCATCAGA	1702
D	b		1957	CTATATATCATATTATTATTCGGCTGATTCAGCACTCCAGGACACTTAAGAGCGCATTTATA	2016
O	y		1703	CAATCCAACGTCCGGAGTGCATGCATACCTCC	1736
D	b		2017	AAAGTATCACTCTCGAAAACACCAACGGAATAATTC	2050
 RESULT 3 US-10-219-051B-13968					
Sequence 13968, Application US/10219051B					
GENERAL INFORMATION:					
APPLICANT: The General Hospital Corporation doing business as Massachusetts Genera					
APPLICANT: Hospital / Bayer AG					
TITLE OF INVENTION: Nucleotide sequences involved in pain					
FILE REFERENCE: Lea 35693 Foreign Countries					
CURRENT APPLICATION NUMBER: US/10/219,051B					
CURRENT FILING DATE: 2003-05-09					
PRIOR APPLICATION NUMBER: US 60/312,147					
PRIOR FILING DATE: 2001-08-14					
PRIOR APPLICATION NUMBER: US 60/346,382					
PRIOR FILING DATE: 2001-11-01					
PRIOR APPLICATION NUMBER: US 60/333,347					
PRIOR FILING DATE: 2001-11-26					
NUMBER OF SEQ ID NOS: 14715					
SOFTWARE: Perl script					
SEQ ID NO 13968					
LENGTH: 3190					
TYPE: DNA					
ORGANISM: Rattus norvegicus					
PUBLICATION INFORMATION:					
DATABASE ACCESSION NUMBER: EMBL / X63995					
DATABASE ENTRY DATE: 1992-07-29					
US-10-219-051B-13968					
 Query Match 32.8% Score 579.4; DB: 15; Length 3190;					
Best Local Similarity 60.0%; Pred. No. 1.7e-155;					
Matches 983; Conservative 0; Mismatches 651; Indels 3; Gaps 1;					
O	y		86	TGATGTGCTTACCCGCGCGGCGGACGCGAGCACTTGCGGCAAGAGAGAGATTCTCGC	145
D	b		369	TGTGGCTGAGATTTGCGCAAGGGAGGGAGACCTG6GGCGCAAGAGATG6ATTCTCC	428
O	y		146	TGCGGGTGTGGGATTTGCGCACTTGATCTTGGTAAACGTGTGGCAATTTCCCTACATCTGTT	205
D	b		429	TGTCGCTATTGGCTTAAGCCGTGGACCTGGGCAACATCTGGCGTTTCTTACATTAATGCT	488
O	y		206	ACCAAGATGAGGGGCTGCTTCTGATNCCGTTACTCGTTATATGCTCTGTTTGGCGGGC	265
D	b		489	ACCAAGATGGGGAGGGGCTTCTCTCTCTTAFACATCATATGSCATTTTGGGGGGA	548
O	y		266	TGCGGCTGTTCTTCTGGAACATGSGCGTGGGCGCAGTACCAACCGCTGCGGCTGCCTCACTC	325
D	b		549	TCCGCTCTTTACATGAGAGCTCCGACTGGGCGCAGTACCAACAAAGGGGTGCATTTCCA	608

OY	326	TCCTGGAACGATCTGGCCCGCCGGCTTAAAGGTGTCGGCTATGCGCATCTGCATGATGACAA	385
Db	609	TATGGAGGAAGATCTGCCCGCATTTTTCAAAGGCATTGGTTAGCCATCTGCAATCATCGCTT	668
OY	386	TCCTACATGGGCATGTACTACAAACAGATCGATGGATGGCGGCGTATTACCTGATCGCTT	445
Db	669	TTTACATGCGCTCTACTACAAACACATCATAGCCTGGCGCCTGTACTACTCATCTCTCT	728
OY	446	CTTCCGCGTCTATAACTCTGTGCTGCCATGGACAGTGGGACACAGATGGAACACGC	505
Db	729	CCCTACGCGACCGGCTGCCCTGGACCTACGCTCACGAATCTCTGGAAACCTGGCAACTGCA	788
OY	506	CGCTGTGCACGCGGATCACTACACCTCAGACTAAATCCATCTCTTACACGCGGAGAG	565
Db	789	CCAATCTACTTGGCCGAGGACAAACATCATCTGGACGTGCTCATTTCCACGTCGCCCGCTAGG	848
OY	566	AGTTCTTGGAACGTAATGTTATTGGACGACGACAAAGTCTACACGCGCTGGATCATATGGGCG	625
Db	849	AGTTCTACTTGGCGCATCTCTGTGAGATGCACAGTCTTAAAGGATCTCAGAGACCTGGGCA	908
OY	626	CGATCAAGCCCTGCGCTGTGTGTGTGTGTGGGGCTTTGTCTCTGCTACTACTTCTCT	685
Db	909	CCATTCAGCTGGCAGCTGACTCTCTGTCATCGTGTCTCATCTTACCGTATCTACTTTAGCA	968
OY	686	TGTGGAAAGAGTCAAGAGCTCTGGCAAGGTGTGTGGGTGACAGCTCTGGCCCCGTACG	745
Db	969	TCTGGAAAGGCGTCAMAAACATCTGGCAAGGTGTGTGGGTGACAGCCACTCTCCATAC	1028
OY	746	TGGTGCTGCTATTTCGTGTGGCGAGGCGTCACAGCTTCACAGAGCGACGGAGGGCAATAC	805
Db	1029	TTGTGCTCTCTGTCTGCTGTGTGTGGAGGGGGCGCACCCCTTCTGAGACCTCTGGAGAGGGTGC	1088
OY	806	GCTACTACTTACCCACAGATGGGACAAATTTGCAAAACTCTAAGTATGATGATGACGGG	865
Db	1089	TCTTCTACTTGAAAACCACTGGGCAAGAACTCTTGGAGACAGGGGTGTGGGTAGATGGCG	1148
OY	866	CATCCGAGTTTCTTCTGCGCTGCGTCCCGGGTTGCGAACCTTACTGGCGCTTCCAGCT	925
Db	1149	CCGCTCAGATCTTCTCTCTCTTGTGGCCGGGCTTTGGGGTTCCTCGGCTTTTCTACTCT	1208
OY	926	ACAACAGATTTCACACAACTGCTACACAGGAGCGGCGTCACTCTTCTATCAACTGCT	985
Db	1209	ACAACAGATTTCACACAACTGTTACCAAGATGGCGTGTACACAGTGTGGTGAACGTCA	1268
OY	986	TGACCAAGTTCCTTGTGTGTGTCTCATTTTCTGTGTGTGGGTACATGGCGCACGTTT	1045
Db	1269	TGACAAAGTTTGTGTGTGTGTCTCATCTTTCACAGGTGCTTGGCTACATGGCGGAGATGA	1328
OY	1046	AGAACAGAGCATGAGAGGAGTTTGGC--CTCGAAGGCGCTCGAAGTGGTGTTCATCGGT	1102
Db	1329	GGATGTGAAGATGTGTGACAGAGGTGGCCAAAGACGACGAGGCCACGCTCTCTTCAATCAGT	1388
OY	1103	ACCCGAGGCGATGCGCACATGACCGGCTCGGTGTCTGTGGCCATCATCTTCTCTCA	1162
Db	1389	ATGCAAGAGGCAATGACCAACATGCGACAGATCCAGTTTCTTGGCCATCATCTTCTCTCA	1448
OY	1163	TGCTATTATACCGTGGAGTTGACAGTACTTTTGGAGGCTTGAAGGACTGACACAGCGCTC	1222
Db	1449	TGTTTAATTCACCTGGATTGGACAGCACAGTTTGGCAGGCTGGGAAGGTGTGATCACACCTG	1508
OY	1223	TTTGCAGAGATATCTCTGAGTGTATTAGGACAGATCTCGAAGTATTTTGTGGCTTACTGCG	1282
Db	1509	TGCTGAGATGATCTCCCTACATCTGTGGGCGCAAGCGGAGGAATGGTTGTGTCTATCTGTG	1568
OY	1283	TTTCTGTTTCATTAATTTTGGCGCTTGTGCCACACACATACATGCGTGTATACCTCTGTAG	1342
Db	1569	TCATTCAGGTGTGTGTGGATTCCTGTGTACACTGAGATGTGAGGAGGCAATACGTGTGTA	1628
OY	1343	ACCTACGCAATATGTATGAGCGCGCTGGATTTGAGTGTGATGCTATTTGCTGAGGCTG	1402
Db	1629	CTCTGCTGTGGAAGTATATGCCACGGGGCGCAGAGTGTCTACCGTGTGCCCTCATTCAGGCGC	1688

Oy	1403	CCGGCGTGTGCTGGGGTATGATGGCGCGACCGGGTTCCTGAAGATAGTGAAGACATATCGG	1462
Db	1689	TCGGCGGTCTTGGTGTCTATGGAAATCACTCAAGTTCTGACGGATGTGAAGAGATGCTGG	1748
Oy	1463	GGCACACCCCTGATGTTCTGAGAGACCTTGGTCTTATACATAGTCCGATATTTCTTG	1522
Db	1749	GCTTCAGCCCCGGGATGGTTTTGGAGAGATCTCTGGGTGGCCATCAGCCCTCTGTTTCTCC	1808
Oy	1523	TGTGTGCTTGTGTGTCTCCGTTCTGGGCACAGAGATGATCTCGGGGGGAAATACACT	1582
Db	1809	TGTTTCATCATTTTGGCAGTTTCTGTGATGAGCCACCCACCTACGGCTTTTCCATATACACT	1868
Oy	1583	ATCCCTCATGCTCTATCACCGTAAAGCTGGATGATACCGGCACACCGCTCTCGTGCATTC	1642
Db	1869	ATCCCACTGGAGATCGTCTTTGGGCTAATCGAATAGGGATGTGCTCCCTCATCTGCAATCC	1928
Oy	1643	CTCTTTACATATATACAAACTGCTATCACTCTGGCAATTTGGATCATCAACCGCATCAAGA	1702
Db	1929	CTACCTAATATCATTTATTCGCTGTATACGACACTCCGGGGACACTTAAAGAGCGCATTTATTA	1988
Oy	1703	CAATCCAAACGTCCGGAA	1719
Db	1989	AAAGTATCATCTCTGAA	2005

Query Match	Best Local Similarity	Score	DB	Length
Matches	953	Conservative	2	Mismatches 644; Indels 3; Gaps 1;
US-60-453-135-5294				
Sequence 5294, Application: US/60453135				
GENERAL INFORMATION:				
APPLICANT: CARGILL, Michele				
APPLICANT: IAKOUBOVA, Olga				
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH				
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF				
FILE REFERENCE: CLO01456				
CURRENT APPLICATION NUMBER: US/60/453,135				
CURRENT FILING DATE: 2003-03-10				
NUMBER OF SEQ ID NOS: 82762				
SOFTWARE: FastSeq for Windows Version 4.0				
SEQ ID NO 5294				
LENGTH: 2964				
TYPE: DNA				
ORGANISM: Homo sapiens				
US-60-453-135-5294				
Query Match	31.5%	Score 554.8;	DB 18;	Length 2964;
Best Local Similarity	59.5%	Pred. No. 5,3e-158;		
Matches	953	Conservative	2	Mismatches 644; Indels 3; Gaps 1;
US-60-453-135-5294				
Sequence 5294, Application: US/60453135				
GENERAL INFORMATION:				
APPLICANT: CARGILL, Michele				
APPLICANT: IAKOUBOVA, Olga				
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH				
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF				
FILE REFERENCE: CLO01456				
CURRENT APPLICATION NUMBER: US/60/453,135				
CURRENT FILING DATE: 2003-03-10				
NUMBER OF SEQ ID NOS: 82762				
SOFTWARE: FastSeq for Windows Version 4.0				
SEQ ID NO 5294				
LENGTH: 2964				
TYPE: DNA				
ORGANISM: Homo sapiens				
US-60-453-135-5294				
Query Match	31.5%	Score 554.8;	DB 18;	Length 2964;
Best Local Similarity	59.5%	Pred. No. 5,3e-158;		
Matches	953	Conservative	2	Mismatches 644; Indels 3; Gaps 1;
US-60-453-135-5294				
Sequence 5294, Application: US/60453135				
GENERAL INFORMATION:				
APPLICANT: CARGILL, Michele				
APPLICANT: IAKOUBOVA, Olga				
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH				
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF				
FILE REFERENCE: CLO01456				
CURRENT APPLICATION NUMBER: US/60/453,135				
CURRENT FILING DATE: 2003-03-10				
NUMBER OF SEQ ID NOS: 82762				
SOFTWARE: FastSeq for Windows Version 4.0				
SEQ ID NO 5294				
LENGTH: 2964				
TYPE: DNA				
ORGANISM: Homo sapiens				
US-60-453-135-5294				
Query Match	31.5%	Score 554.8;	DB 18;	Length 2964;
Best Local Similarity	59.5%	Pred. No. 5,3e-158;		
Matches	953	Conservative	2	Mismatches 644; Indels 3; Gaps 1;
US-60-453-135-5294				
Sequence 5294, Application: US/60453135				
GENERAL INFORMATION:				
APPLICANT: CARGILL, Michele				
APPLICANT: IAKOUBOVA, Olga				
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH				
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF				
FILE REFERENCE: CLO01456				
CURRENT APPLICATION NUMBER: US/60/453,135				
CURRENT FILING DATE: 2003-03-10				
NUMBER OF SEQ ID NOS: 82762				
SOFTWARE: FastSeq for Windows Version 4.0				
SEQ ID NO 5294				
LENGTH: 2964				
TYPE: DNA				
ORGANISM: Homo sapiens				
US-60-453-135-5294				
Query Match	31.5%	Score 554.8;	DB 18;	Length 2964;
Best Local Similarity	59.5%	Pred. No. 5,3e-158;		
Matches	953	Conservative	2	Mismatches 644; Indels 3; Gaps 1;
US-60-453-135-5294				
Sequence 5294, Application: US/60453135				
GENERAL INFORMATION:				
APPLICANT: CARGILL, Michele				
APPLICANT: IAKOUBOVA, Olga				
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH				
TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF				
FILE REFERENCE: CLO01456				
CURRENT APPLICATION NUMBER: US/60/453,135				
CURRENT FILING DATE: 2003-03-10				
NUMBER OF SEQ ID NOS: 82762				
SOFTWARE: FastSeq for Windows Version 4.0				
SEQ ID NO 5294				
LENGTH: 2964				
TYPE: DNA				
ORGANISM: Homo sapiens				
US-60-453-135-5294				
Query Match	31.5%			





Db	1082	TTGGTCCGGGCTTTGGGGGTCTGCTGGCTTTTGGCTAGCTAACAAAGATTCAACACAACT	1141
Qy	947	GCTACAGGACGGCGCTCATCTTCTTATCACTAGCTTTGACCAAGCTTCCTGCTGTT	1006
Db	1142	GCTAACAAAGATGCCCTGGTATCACAGCGTGGTGAACATGACAGACCTTCGTTTCGGGAT	1201
Qy	1007	TGCTATTTTCTCGGGTTTTGGGGTACATGGCCGACAGCTTCAGCAACGAGCATCGAGAG	1066
Db	1202	TTGTCATCTTCACAGTCTCTGGTTACATGGCTAGATGAGAGATGAAATGTAAGTGTCTGAGG	1261
Qy	1067	TTGGC---CTCGAAGGCGCTGACCTGGTGTTCATGCGTGAACCCGAGGCGCATGCCACCA	1123
Db	1262	TGGCCAAAGACGAGAGGTCGCCAGCTCTTCATCACTAGATGAGAAAGCATAGCAACCA	1321
Qy	1124	TGACCGGCTCGGTTCTGGCCATCATCTTCTCCATAGCTTATATACCTGGAGCTTG	1183
Db	1322	TGCCAGCGTCACTTTTCTTGGCCATCATCTTCTTCTGATGTTAAACAGCTGGGCTTGG	1381
Qy	1184	ACAGTACTTTTGGAGGCTTGGAGGCAAGTCCACACAGGCTCTTGGCAGAAATTCCTGAG	1243
Db	1382	ACAGCACTTTTGCAGAGCTTGGAGGGGGTATACAGGCTGTGCTGATGATGCCACAG	1441
Qy	1244	TGTTAGGCACACATCGGGAATTTGTGGCTGTACTGCTTCTGTTCACTATATTGGC	1303
Db	1442	TTGCGGCCAAGCGCGGGAGCGGGTCCGTGCTGCCCTGGTGCATCACCTCTCTTGTGAT	1501
Qy	1304	CTCGGCCACACACATACGATGATGTATACCTCGTAGACCTACTCATATGTGTATGGCC	1363
Db	1502	CCCTGTCACCTCGTACTTTTGGAGGGGCCCTACGCTGGTGAAGCTGCTGGAGAGATATGCCA	1561
Qy	1364	CTGGAATGGCAATCTATTCCTGGATTTTGTGAGCTTGGAGGCTGGCGGTGCTGGGTATG	1423
Db	1562	CGGGGCCCGGAGTCTCATCTGCTGCGCTGTATCCAAACAGTCCGTGCTTGGTTCTATG	1621
Qy	1424	GCGTCGACGGGTTCTCGAAGATGTGAGACCATAGTGGGGCACACCCCTGATGGTTCT	1483
Db	1622	GCATCACTCATGTTCTCGAGGAGCGATGAGAAATGCTTGAGCTTCAACCCGGGGTGGTTCT	1681
Qy	1484	GGAAGACCTTGGTGTCTTACATCAGTCCGCTATTTCTGCGTGGTGTGTTCTGTTCTCCG	1543
Db	1682	GGAAGATCTCTGGGTGGCATCAGCCCTCTGTTCTCGTTCACTATTTGCAAGTTTC	1741
Qy	1544	TTCTGCGACACAGAGATGCTCGGCGGGGAATACACTATCCCTCATGTCTATACCG	1603
Db	1742	TGATGAGCCCGCCACAACATTCGACTTTTCCAAATATATATCTTCTGAGATCATCT	1801
Qy	1604	TAGCTGGGTGATGACCGGACACACCGTCTCGTCAATTCCTTTTCACTTATATACAAC	1663
Db	1802	TGGGTTACTGCATATGAGAACTCATCTTTTCAATTTTGCACTCCCACTATATAGCTTATCGG	1861
Qy	1664	TGCTCATCTCTCTGCGAATTCGATCAACCCGATCAAGACAA	1705
Db	1862	TGATCATCTCTCCAGGAGACATTTAAMAGGTATTTATTAATA	1903
RESULT 7			
US-10-219-051B-13970			
: Sequence 13970, Application US/10219051B			
: GENERAL INFORMATION:			
: APPLICANT: The General Hospital Corporation doing business as Massachusetts Genera			
: APPLICANT: Hospital / Bayer AG			
: TITLE OF INVENTION: Nucleotide sequences involved in pain			
: FILE REFERENCE: Lea 35693 Foreign Countries			
: CURRENT APPLICATION NUMBER: US/10/219,051B			
: CURRENT FILING DATE: 2003-05-09			
: PRIOR APPLICATION NUMBER: US 60/312,147			
: PRIOR FILING DATE: 2001-08-14			
: PRIOR APPLICATION NUMBER: US 60/346,382			
: PRIOR FILING DATE: 2001-11-01			
: PRIOR APPLICATION NUMBER: US 60/333,347			
: PRIOR FILING DATE: 2001-11-26			
: NUMBER OF SEQ ID NOS: 14715			

Query Match	Best Local Similarity	Score	DB	Length
Matches 953; Conservative 0; Mismatches 646; Indels 3; Gaps 1;	59.5%;	552.4;	15;	2508;
107	GGCAGCGCGAGACCTGGGCGAAGAGGAGAGGCTTCGCGGGTGGGATTCGAG	166		
302	GGGAGCGGAGACCTGGGCGAAGAGGAGGATTCCTCTCTCATGATTTGGCTATGCGT	361		
167	TGATCTTGTGTAACGTGTGGCGATTCCCTCATCTGTTTACAGAAATGAGAGCGGTGCGT	226		
362	TGACACTGGGCAATGTCTGGCGCTTCCCTCATATGTTTACAGAAATGAGAGGGGGCGAT	421		
227	TCTCGATCCCTACTGCGTTATGCTGCTGTTTGGCGGGCTCCGCTGTTCTCTCGAAC	286		
422	TCTCTCTCCCTCAACCATCATGCGCAATTTTGGGGGAATCCCGCTCTTTTACATGGAGC	481		
287	TGGCGGGGCGACATACACCGCGTGGCGGCTGCTCTCATCTCTGCGAAAGGATTCGCCG	346		
482	TGCGACTGGGAGACATACACCGGAATGATGATCATTTTCAATATGAGAGAAATCTGCGCGA	541		
347	CGCTTAAAGGTGTGCGCTATGACCATCTGCATGATGACATCATATGAGATGGGATGACTACA	406		
542	TTTTCAAAGGATTTGGTATTCCTCATCTGCATCATATGCGCTTTTACATTTGCTTCTACTACA	601		
407	ACAGATCATGAGAGGCGGGGTATTAACCTGATATGCTTCTCTGCGGCTATTAACCTGTG	466		
602	ACACCATATGAGCGCTGGGCGCTATTAACCTGATCTCTCTCTTACAGGACAGCTGCGCT	661		
467	TGCTGCCATGAGACAGCTGGCGACACAGAGTGGAGACAGCGCGCTGGACGCGGTCACCT	526		
662	GGACAGAGTGCAGAGACCTCTGGAACACTGGCACTGCAACAAATTACTTCCGAGACA	721		
527	CACCTCAGACTAATCTTACTCTTCTTACACCGCGGAGAGAGTTCTTGCAGAGTAATGAT	586		
722	ACATTCACCTGAGACCTCCATTTCACAGTCCCTGCGTGAAGAAATTTTACACGGCCACGCTC	781		
587	TGAGAGCAGCAACATCTTAACGGCGCTGATGACATAGGGGCGCATCAAGCGTCCGCTGCTC	646		
782	TGCAGATTCACCGGCTCTAAGGGGCTCCAGAGACCTGAGGGGGGATCAGCTGGCAGCTGCC	841		
647	TGTGTGTGTGGGGGCTTTTGTCTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	706		
842	TCTCATCATATCTGATCTTCACTCTTATCTACTTACATCTGGAAGAGCGCTCAAGACCT	901		
707	CTGGCAAGGTGTGGGTGACAGCTTGGCGCCCGTACGTGGTGTCTGATTTCTGCTGG	766		
902	CTGGCAAGGTGTGGGTGACAGCTTGGCGCCCGTACGTGGTGTCTGATTTCTGCTGG	961		
767	CGAGAGGGGTACAGCTTCCAGAGAGCGAGAGGGGATACGCTACTACTTACCCAGAGT	826		
962	TGAGAGGGGTACAGCTTCCAGAGAGCGAGAGGGGATACGCTACTACTTACCCAGAGT	1021		
827	GGCAGAAATCTCTGAGAGCAGGGGTGTGATGATGACGCGGATCCAGATTTTCTTCTGC	886		
1022	GGCAGAAATCTCTGAGAGCAGGGGTGTGATGATGACGCGGATCCAGATTTTCTTCTGC	1081		
887	TGCGTCCCGGTTTGGAGACCTTACGCGGCTCTCCAGATTAACAGTTTTCAACAACACT	946		
1082	TGCGTCCCGGTTTGGAGACCTTCTGCTGCTTTTGTCTAGCTAACAACAAGTTCAACAACACT	1141		
947	GCTACAGGAGCGGCTCATCTTCTTATCAACTGCTTACACGATCTTCTGCTGGT	1006		
1142	GCTACAGGAGCGGCTGCTGAGACGCGGTGATGATGATGATGATGATGATGATGATGATGAT	1201		



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QY 1007 TCGTATTTTTCGTTTGGGTACATGCGCAGCTTACAGAACAGCATGAGAGG 1066
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1202 TTGTATCTTTCACAGTCTGTTTACATGCGTGAAGTGAAGATGATGTCTGAGG 1261
QY 1067 TTGGC---CTCAGAGCCCTGAGCTGGTGTTCATGCTGTAACCCGAGCCATGCGACCA 1123
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1262 TGGCCCAAGACGCGAGCTCCCTCTTCATCAGTATGAGAAGCATGAGCCACAA 1321
QY 1124 TGACGGGCTCGGTCTTGGGCGCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1183
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1322 TGGCAGCGTCCACTTCTTCTTGGCATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1381
QY 1184 ACAGTACTTTGGAGGCTTGTGAGGAGTACACAGGCTCTTTGCGAGAAATATCTCGAG 1243
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1382 ACAGCAGGTTTGGAGGCTTGGAGGGGTATCAGGCTGTGCGAGTGAAGTCTCCACAG 1441
QY 1244 TGTAGGACAGACATCGCGAAGTATTTGTGCTGTACTGCTTCTGTTCATCTATATTTGGG 1303
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1442 TGTGGGCGCAAGCGCGGAGCGGTTGCTGCTCGCTGTCATCAGCTCTCTCTCTCTCTCT 1501
QY 1304 CTCTGCGCCACACACATATAGGTGTGTATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1363
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1502 CCTGTGACCTCTGACTTTTGGAGGGGCTTACGTGTGAAGCTGTGAGAGGATATGCA 1561
QY 1364 CTGATTTGGCGATTTCTATTTCTGTGTATTTGCTGAGGCTGCGGCGTGTCTGGGTATG 1423
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1562 CGGGGCGCGAGTGTCTACTGTGTGCGCTGATCGAACAGTGTGTGTCTGTCTGTCTATG 1621
QY 1424 GCCTGACCGGTTCTGTGAAGTGTGAGAACATGCTGTGGGCGCACCCCTGTGATGTCT 1483
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1622 GCATCTACTGATTTCTCAGGAGCGTGAAGAAATCTCGGCTTCAAGCGGGGTGTCT 1681
QY 1484 GGAGACCTGTGTGCTTACATCAGTCCGATTTCTGTGTGTGTGTGTGTGTGTGTGTGTGT 1543
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1682 GGAAGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1741
QY 1544 TTTCTGACACAGAGAGATGCTGTGGGGGAATACACTATCCCTATGATGTGTGTGTGTGT 1603
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1742 TGATGAGCGCGCCACACTATGAGACTTTTCCAAATATATATATCTTACTGAGATATCATCT 1801
QY 1604 TAGCTGGGTATGACCGGCGACCGTCTGTGCTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1663
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1802 TGGGTACTGCAATGAGAACCTATCTTATTTGCAATCCACATATATAGCTTATCTGCT 1861
QY 1664 TGCCTCATCTCTCTGCAATGTCATCAACCGCATCAAGACAA 1705
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1862 TGATCATCTCTCAGGAGACATTTAAGAGCGTATTTAAAA 1903

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: APPLICANT: RAMKUMAR, Jayalaxmi
: APPLICANT: REDDY, Roopa
: APPLICANT: RICHARDSON, Thomas W.
: APPLICANT: RING, Huijun Z.
: APPLICANT: SPRAGUE, William W.
: APPLICANT: SWARNAKR, Anita
: APPLICANT: TANG, Y. Tom
: APPLICANT: ZEBARJADIAN, Yeganeh
: TITLE OF INVENTION: TRANSPORTERS AND ION CHANNELS
: FILE REFERENCE: PF-1336 PCT
: CURRENT APPLICATION NUMBER: PCT/US02/39565
: CURRENT FILING DATE: 2002-12-10
: PRIOR FILING DATE: 2001-12-14
: PRIOR APPLICATION NUMBER: US 60/340,741
: PRIOR FILING DATE: 2002-01-25
: PRIOR APPLICATION NUMBER: US 60/351,359
: PRIOR FILING DATE: 2002-02-22
: PRIOR APPLICATION NUMBER: US 60/359,506
: NUMBER OF SEQ ID NOS: 58
: SOFTWARE: PERL Program
: SEQ ID NO 43
: LENGTH: 2770
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc.feature
: OTHER INFORMATION: Incyte ID No: 7508471CB1
PCT-US02-39565-43

Query Match      31.3%; Score 552.4; DB 2; Length 2770;
Best Local Similarity 59.5%; Pred. No. 2.8e-157;
Matches 953; Conservative 0; Mismatches 646; Indels 3; Gaps 1;

QY 107 GGCAGGCGAGACCTGGGGGAGAGGCGAGACTTCTGTGTGGCGGTGGGATTCGCG 166
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Db 552 GGAACGGGAGACCTGGGGGAGAGGCGAGACTTCTGTGTGGCGGTGGGATTCGCG 611
QY 167 TGGATCTTGTAGCATGTGTGCGATTTCCCTACATCTGTTACCAAGATGAGCGGTGCGT 226
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 612 TGGACTGGGCAATGTCTGGCCCTTCCCTACATATGTTACCAAGATGAGCGGTGCGT 671
QY 227 TCTGTATCCCTGACTGTGTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 286
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 672 TCTCTCTCCCTTACACATCATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 731
QY 287 TGGCGCTGGGCGAGTACACACCGCTGGGCTGCTACCTCTCGAAGCATCTGCCCG 346
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 732 TGGCACTGGGACAGTACACCGAATGATGATTTCAATATGAGAGAAATCTGCCGA 791
QY 347 CGCTTAAGGTGTGGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCTAT 406
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 792 TTTTCAAGAGATGTGTGTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCT 851
QY 407 ACACGATCATGCGATGCGGCGGTGTATTTACCTATGCTCTCTCGGCTGTATTAACCTGTG 466
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 852 ACACGATCATGCGCTGGGCGGTGTATTTACCTATGCTCTCTCGGCTGTATTAACCTGTG 911
QY 467 TCGTCCATGAGACGCTGCGACACGAGTGAACACGCGGCTGTGAGACGCGGCGTCACT 526
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 912 GGAACAGCTGCAAGAGCTCTTGGACACTGGAACGACGCAATTTCTCTCGAGACA 971
QY 527 CACCTGAGACTATCTTATCTTCTTACACCGGCAAGAGTCTTCTGCAAGCTATGAT 586
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 972 ACATCACTGAGACCGCTCATTTCTCAGGTCCCTGTGGAAGATTTTACACGCGCCACGCTCC 1031
QY 587 TGGAGCAGCAAGTCTTAACGCGCTGTGATGACATGAGGCGCGATCAAGCGCTGTGCTGCTC 646
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1032 TGCAGATCCACCGGTCTTAAGGGGCTTCAAGGACCTGGGGGCGATCTGCGAGCTGGGCC 1091
QY 647 TGTGTGTGTGTGGGGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 706
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1092 TCTGCATCATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1151

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OY	707	TTGGCAAGGAGGTGGGGTAGACACTCTGGGCCCCGTACGGTGCCTGCATCTGCTGG	766
Dp	1152	CTGGCAAGGTGGTGGGTGACACCACTTCCTTATATCATCTTCTGTCTCTGG	1211
OY	767	CGAAGGCGTACAGCTTCCAGAGAGCGAGGGGCAATACGCTACTACCTTACCCCAAGT	826
Dp	1212	TGAGGGGTGCACCTCCCTGGAGCTGGAGGGGTGTCTCTCTACTTGAAACCAATT	1271
OY	827	GGCAAAATTGCAAAACCTTAAAGTATAGATTGACGGGCAATCCAGATTTTCTTCGC	886
Dp	1272	GGCGAAATCTCTGGACACAGGGGTGTGGATAGATGACGGCTCAATCTTCTTCCTC	1331
OY	887	TGCTCCCGGGTTGGGAACCTACTTGGCGCTCCACACTCAACAAGTTCAACAACACT	946
Dp	1332	TTGGTCCGGGCTTTGGGGTCTCTGCTGGCTTTTGTACTACATCAACAAGTTCAACAACACT	1391
OY	947	GCTACAGGAGCGCGCTCATCACTTCTTATCAACTGCTTGCACAGGTTCCTGCTGTT	1006
Dp	1392	GCTACAAAGATGCCCTGTGGTACAGCGTGGTGAACCTGCATGACAGCTTGGGAT	1451
OY	1007	TGCTCATTTTCTCGGTTTTGGGGTACATGGCGACGTTCAAGAACAGATCGAGAGG	1066
Dp	1452	TTGTCACTTTCACAGTCTCGGTACATGCGTGAATGAGGAATGAAGATGTGCTGAGG	1511
OY	1067	TTGGC---CTCGAAGGCGCTGGACTTGGGTTTCAATCGTATACCCGAGGCAATGCCACCA	1123
Dp	1512	TGGCCAAAGACGACAGGTGCCAGGCTCTCTTATACAGTATGCAAGACGATACCA	1571
OY	1124	TGACCGGCTCCGTTCTGGGCCATCATCTTCTCTATGCTTATTAACCTGGGACTTG	1183
Dp	1572	TGCCAGGCTCACTTCTTGGCCATCATCTTCTTGTGATGTATATACGCTGGGCTGG	1631
OY	1184	ACAGTACTTTGGAGGTCTTGAGCACTACACAGGCTCTTGGCAGGAATATCTCGAG	1243
Dp	1632	ACACACAGTTTGGAGGCTTGGAGGGGTGATACACAGGCTGTCTGATGATGTCCCAACG	1691
OY	1244	TGTTAGGCGACATCGGGAAGTATTTTGGCTGTACGCTCTCTTATCATATATTGGC	1303
Dp	1692	TCTGGGCGAAGCGGGGAGCGGTTGCTGTCTGCCGCTGTATCACTGCTCTTTGGAT	1751
OY	1304	CTCTGCCACCAACCATATAGGTGTGTATACCTGTAGACCTATCAATGTATGGCC	1363
Dp	1752	CCCTGGTGCACCTTACTTTTGGAGGGGCTTACGTGTGAAGCTCTGGAGAGTATGCCA	1811
OY	1364	CTGATTTGGGATTTCTATGTGTGTTTGTGTGAGGCTGCGGGCTGTGCTGGGTATG	1423
Dp	1812	CGGGGCCCGAGTCTCACTGTCCCGCTGATCGAAGAGTGTGTGTCTTGGTTATG	1871
OY	1424	GCCTCGACCGGTTCTTGAAGATGTGAGGACATGCTGGGGCACACCCCTGGATGTTCT	1483
Dp	1872	GCATCACTCAAGTTCTGCAGGAGCGTGAAGGAATGCTCGGTTACGCCGGGGTGTCT	1931
OY	1484	GGAGGACCTGTGGTCTTATCATCACTAGTCCCGTATTCTTGCTGTGCTGTCTGTTCCG	1543
Dp	1932	GGAGGATCTGTGGGTGGCACTAGCCCTGTCTTCTCGTTCTATATTTGGAGTTTC	1991
OY	1544	TTTCTGGACACAGAGAGATGCTGGGGGGGAATACACTATCCCTCAATGGCTATACCG	1603
Dp	1992	TGATGAGCCCGCCACAATACGACTTTTCCAAATTAATTAATTCCTTACTGGAGTATACCT	2051
OY	1604	TAGGCTGGGTGATGACGGGACCAACGCTTCGTGATCTCTTATATTTATCAAAAC	1663
Dp	2052	TGGGTTACTGATATGGAACCTCATCTTTCATTTGCATTCGCCACATATATACCTATGCGT	2111
OY	1664	TGCTCATCACTCCCTGGCAATTGGCATCAACGCGATCAAGACAA	1705
Dp	2112	TGATCATCACTCCAGGACATTTTAAAGCGTATATATATATAA	2153

RESULT 9  
US-09-949-016-3430  
; Sequence 3430, Application US/09949016  
; GENERAL INFORMATION:

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? APPLICANT: VENTER, J. Craig et al.
? TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
? TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
? FILE REFERENCE: CL0001307
? CURRENT APPLICATION NUMBER: US/09/949,016
? CURRENT FILING DATE: 2000-04-14
? PRIOR APPLICATION NUMBER: 60/241,755
? PRIOR FILING DATE: 2000-10-20
? PRIOR APPLICATION NUMBER: 60/237,768
? PRIOR FILING DATE: 2000-10-03
? PRIOR APPLICATION NUMBER: 60/231,498
? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEQ ID NOS: 207012
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 3430
? LENGTH: 2964
? TYPE: DNA
? ORGANISM: Human
? US-09-949-016-3430

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Query Match:	31.3%;	Score 552.4;	DB 11;	Length 2964;
Best Local Similarity:	59.5%;	Pred. No. 2.9e-157;		
Matches	953;	Conservative	0;	Mismatches 646; Indels 3; Gaps 1
QY	107	GGCAGCGGAGACCTGGGCGAAGAAGAGAGTTCCTGCTGGCGGTGGGGATTTCGCAG	166	
Db	302	GGGAACGGGAGACCTGGGGCAAGAAGATGGATTCTCTCTCAGATATGGCTATCGC	361	
QY	167	TGGATCTTGGTAAAGCTGTGGCGATTCCCTTACATCTGTTACCAATGGAGCGGTGCGT	226	
Db	362	TGGACCTGGGCAATGTCTGGGCGCTCCCTACATATGTTACCAAGATGAGGGGGGCAT	421	
QY	227	TCCGATCCCGCTACGCGCTTATGCTGCTTTGGGGGGGTGGCGTTCCTCTCGCAAC	286	
Db	422	TCTCTCTCCCTACCAACCATCATGGCCATTTTGGGGGAATCCCGCTCTTTTACATGAGAC	481	
QY	287	TGGCGCTGGGCGAGTACCACGCGTGGCGCTGCCCTCACTCTCGAAGACGATCTGCCCG	346	
Db	482	TCCGATCTGGGACAGTACCAGGAATGGATGATCTTCAATATAGAGAAATCTGCCCGA	541	
QY	347	CGCTTAAAGGTGTGGGCTATGCGATCTGTGATGATGACATCTACATGGGATGTACTACA	406	
Db	542	TTTTCAAAGGATGTGGTATGCGATCTGCATCATCATATTGCTTTTACATGTGCTCTACTACA	601	
QY	407	ACAGATCATGGAATGGGCGGTGTATTTACCTGTATGCTTCCTCGCTATATAACTGTG	466	
Db	602	ACACATCATGTGCGTGGGCGCTATATCTACCTATCTCTCTCTTACGAGCACGCTGCCCT	661	
QY	467	TGCTGCCATGACGACGCTGCGACACAGATGGAGACAGCGCGCTGTGACAGCCGCTACCT	526	
Db	662	GGACCAGCTGCAAGAAGATCTGGAACACATGCGCACCAATTACTTCTCGAGGACA	721	
QY	527	CACCTCAGACTAATCTTAACCTTCTTACACCGGCGCAAGAGAGTTCCTTCCAGCTAATGTAT	586	
Db	722	ACATTCACCTGAGACCTTCATTTCCACAGTCCCGCTGCGAAGAAATTTTACACGCGCCACAGTCC	781	
QY	587	TGGAGCAGCAAGCTAACAAGCGCTGATGATGACATGGGGCGCATCAAGCGGTGCGGCTC	646	
Db	782	TGCAGATCACCGGTCTAAGGGGGCTCCAGAGACTGGGGGACATCAAGCTGGCACGTGGCCC	841	
QY	647	TGTGTGTTCGGGGTCTTGTCTCTGCTACTTCTCTTGTGGAAGAGAGTCAAGAGTG	706	
Db	842	TCTGATCATGCTGTATCTTCACTGTTATCTTACTTCAGCATTCGGAAAGGCGTCAAGACCT	901	
QY	707	CTGCGAAGCTGTGTGGGTGACAGCTCTGGCCCCGTACGTGGTGTGCTGTGATTTGCTGTG	766	
Db	902	CTGCGAAGTGTGTGGGTGACAGCCACCTTCCCTTAAATCAATCTTCTGTGCTGCTGTG	961	
QY	767	CGAGAGCGGTACGCTTCACAGAGGAGCAGAGGATACAGTACTATACCTTACCCCAGACT	826	
Db	962	TGAGGGGTGCCACCTCCCTGAGGCTTGAGGGGTCTTCTTCTTACTTTGAACCAACCAATT	1021	
QY	827	GGCACAAAATTCGAAAATCTTAAGTATGATGATGACGCGGCAATCCAGATTTTCTTCTGCG	886	

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Db      1022 GGCAGAAACTCCTGGAGACAGGGGCTGTGATGATGACGCCCTCAGATCTCTCTC 1081
Qy      887 TCGGTCCCGGGTTCGGAAACCTACATGCGGCTCTCCAGCTACACAAAGTTTCAACACACT 946
Db      1082 TTGGTCCGGGCTTTTGGGCTCTCTGCTTTTGTGATACAAAGTTTCAACAACT 1141
Qy      947 GCTACAGGAGCGGCTCATCTTCTTATCACTGTGACAGCTTCTCTGCTGCT 1006
Db      1142 GCTACCAAGATGCTCTGTGTGACACAGCTGTGATGATGATGATGATGATGATGAT 1201
Qy      1007 TCGTATTTTCTCGGTTTGGGTCATGCGCAGCTTTCAGAACAGAGCATGAGAGG 1066
Db      1202 TTGTATCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1261
Qy      1067 TTGGC---CTGAAAGCCCTGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1123
Db      1262 TGGCCAAAGAGCGAGTCCACGCTCTCTCATCAGTATGCAAGAGGATGAGCA 1321
Qy      1124 TGACCGGCTCGTCTTGGGCTCATCTTCTCTCATGCTTATACCTGAGGACTTG 1183
Db      1322 TGCCAGCGCTCACTTCTTGGCATCTTCTTCTGATGATGATGATGATGATGATGAT 1381
Qy      1184 ACAGTATTTTGGAGGCTTGGAGCATGACACGCTCTTGGAGAGATATCTCGAG 1243
Db      1382 ACAGCAGCTTGGAGGCTTGGAGGAGGATGATGATGATGATGATGATGATGATGAT 1441
Qy      1244 TGTGAGGAGCATGAGGAGTATTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1303
Db      1442 TGTGAGGAGCATGAGGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1501
Qy      1304 CTCTCCACACACACATACGCTGCTGATACCTGATGACCTTCAATGATGATGAGCC 1363
Db      1502 CCTGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1561
Qy      1364 CTGATTTGGGCTTATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1423
Db      1562 CGGGGCGGCGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1621
Qy      1424 GGTGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1483
Db      1622 GCATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1681
Qy      1484 GGAGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1543
Db      1682 GGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1741
Qy      1544 TTCTGCGACAGAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1603
Db      1742 TGATGAGCGCGGACACACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1801
Qy      1604 TAGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1663
Db      1802 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1861
Qy      1664 TGTCTATCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1705
Db      1862 TGATCATCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1903

RESULT 10
US-10-170-235-38741
; Sequence 38741, Application us/10170235
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: KITS, SUCH AS NUCLEIC ACID ARRAYS, COMPRISING A MAJORITY OF HUMAN
; FILE REFERENCE: TRANSCRIPTS, FOR DETECTING EXPRESSION AND OTHER USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/170,235
; NUMBER OF SEQ ID NOS: 42514
; SEQ ID NO 38741
; LENGTH: 2964

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; TYPE: DNA
; ORGANISM: HUMAN
US-10-170-235-38741

Query Match      31.3%; Score 552.4; DB 15; Length 2964;
Best Local Similarity 59.5%; Pred. No. 2.9e-157;
Matches 953; Conservative 0; Mismatches 646; Indels 3; Gaps 1;

Qy      107 GGCAGCGGACACCGCGGCGAAGGAGGAGGATTCCTGCTGCGGTGGGATTCGAG 166
Db      302 GGAAGCGGAGACCTGGGGCAGAGGAGTGATTTCTCTCTCTCACTGATTTGGCTATGCTG 361
Qy      167 TGGATCTTGTAACCTGTGGGATTCCTCATATCTGTTTACAGAGATGAGGCGGTGCT 226
Db      362 TGGAGCTGGGCAATGTGGGCTTCCCTCATATGTTTACAGAGATGAGGCGGCGAT 421
Qy      227 TCTGATCCCGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 286
Db      422 TCTCTCTCCCTACACCATCATGCGCATTTTGGGGGAGATCCCGCTTTTACATGAGAGC 481
Qy      287 TGGGCGTGGGCGAGTACACCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 346
Db      482 TCGCATGGGAGAGTACACCGAATGATGATGATGATGATGATGATGATGATGATGATGAT 541
Qy      347 CGCTTAAAGGTGTGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCT 406
Db      542 TTTTCAAGGAGTGTGTTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCTATGCT 601
Qy      407 ACAGCATATGAGATGGGCGGTGATTTACCTGATGCTTCTGCTGCTTCTGCTTCTGCTTCTGCT 466
Db      602 ACACCATATGAGCGCGGCGGTATACCTGATGCTTCTGCTGCTTCTGCTGCTTCTGCTGCTGCT 661
Qy      467 TGTCTGCAATGAGCAGCTGCGACAGAGTGAACACCGCTGCGACCGCGTACCT 526
Db      662 GGACCAAGCTGCAAGAACTCTGGAACACTGGAACACTGGAACACTGGAACACTGGAACACTGGA 721
Qy      527 CACCTCAGACTAATCTACTCTTCTTACACCGGCGAAGAGTCTTTCGACGTAATGAT 586
Db      722 ACATCACTGAGACCTTCATTCACGCTCCCTGCTGTAAGAAATTTTACACGCGCCACCT 781
Qy      587 TGGAGCAGCAGAGCTTCAAGGCTTGAATGATGATGATGATGATGATGATGATGATGATGAT 646
Db      782 TGCACATCAACCGGCTTAAAGGCTGCGAGAGCTGAGGAGGATGAGGAGGAGGAGGAGGAGG 841
Qy      647 TGTGTGTGCTGCGGCTCTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 706
Db      842 TCTGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 901
Qy      707 CTGCAAGGTGTGAGTGAACAGCTTGGCCCGCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCT 766
Db      902 CTGCAAGGTGTGAGTGAACAGCTTGGCCCGCTGAGTGTGCTGCTGCTGCTGCTGCTGCTGCT 961
Qy      767 CGAGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 826
Db      962 TGAAGGCTGCAACCTCCCTGAGGCTGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1021
Qy      827 GGCACAAATTCGAAACTTAAAGTATGATGATGATGATGATGATGATGATGATGATGATGAT 886
Db      1022 GGCAGAAACTCTGAGACAGAGGCTGTGATGATGATGATGATGATGATGATGATGATGAT 1081
Qy      887 TCGGTCCCGGGTTCGGAAACCTACTGCGCTCTCCAGCTACACAAAGTTTCAACAACT 946
Db      1082 TTGGTCCGGGCTTTTGGGCTCTGCTGCTTTTGTGATACAAAGTTTCAACAACT 1141
Qy      947 GCTACAGGAGCGGCTCATCTTCTTATCACTGCTTACACAGCTTCTCTGCTGCT 1006
Db      1142 GCTACCAAGATGCTCTGTGTGACACAGCTGTGATGATGATGATGATGATGATGATGATGAT 1201
Qy      1007 TCGTATTTTCTCGGTTTGGGTCATGCGCAGCTTTCAGAACAGAGCATGAGAGG 1066
Db      1202 TTGTATCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1261
Qy      1067 TTGGC---CTGAAAGCCCTGAGAGTGTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1123

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Db 1262 TGGCCAAAGACGAGCTCCACGCTCCTTCATCAGATAGCAGAAAGGAGTACCA 1321  
OY 1124 TGACCGGCTCCGCTGTTGCGGCATCATCTTCTCTCATGCTTATTAACCTGGACATTG 1183  
Db 1322 TGCCAGCGCTCCTTCTTCTTCCATCATCTTCTTCTGATTTAAATCAGCTGGCGCTTG 1381  
OY 1184 ACAGTACTTTGGAGCTTTGAGGAGCTACACAGGCTTTGGCGCAATATCCGCGAG 1243  
Db 1382 ACAGCAGCTTTGAGGAGCTTTGAGGAGGATATACAGGCTTGTGATGAGTCCACAG 1441  
OY 1244 TGTAGGAGACATCGCGAAGTATTTGCTGCTACTGCTTCTGTTTCACTATATTTGGC 1303  
Db 1442 TGTGGGCGAAGCGCGGAGCGGTTGCTGCGCGGTGATCAACCTGCTCTTCTTGGAT 1501  
OY 1304 CTCTGCGCCACACACATACGCTGTATTAACCTGTAAGCTACTCAATGTGTATGGC 1363  
Db 1502 CCTGCTGCTACCTGATTTTGGAGGGGCTTACGTGTGAAGCTGTGAGGAGATAGCCA 1561  
OY 1364 CTGATTTGGGATTTCTATTGCTGATTTGCTGAGGCTCGCGGCTGCTGGGTATG 1423  
Db 1562 CGGGGCGCGCATGCTCCTACTGTCGCTGATGAGACAGTCCGTGTGTTGTTATG 1621  
OY 1424 GCGTGACCGGTTCTCTGAAGATGTAGAGACATGCTGGGCAACCCCTGATGTTCT 1483  
Db 1622 GCATCACTGATTTCTCAGAGGAGCTGAAGAAATGCTCGCTTCAAGCCCGGGGTGTTCT 1681  
OY 1484 GGAGACCTGTTGCTTCTCATACAGTCCGCTATTTCTGCTGTGCTGCTGCTTCCG 1543  
Db 1682 GGAGATTTGCTGTGGTGGATCAGCCCTCTGCTTCTGTTTCACTATTTGAGTTTC 1741  
OY 1544 TTTCTGACACAGAGAGATGCTCGGGGGAATACACTATCCCTCATGCTGATACCG 1603  
Db 1742 TGTATGAGCGCGGACACACTACACTTTTCCATATATATATATCTTACTGAGATATCT 1801  
OY 1604 TAGGCTGGGTGATGACCGGACACCGTCTGCTGATTCCTTTTACATATATACAAAC 1663  
Db 1802 TGGGTACTGCAATGAGAACCTCATCTTTCATTTGATCCACATATATAGCTTATCGT 1861  
OY 1664 TGTCTATCACTCTGTCATTTGATCAACCCGATCAAGCAA 1705  
Db 1862 TGTATCACTCCAGGACATTTAAAGACGCTATTTTAA 1903

RESULT 11  
US-60-453-135-1580  
: Sequence 1580, Application US/60453135  
: GENERAL INFORMATION:  
: APPLICANT: CARGILL, Michele  
: APPLICANT: IAKOUBOVA, Olga  
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
: FILE REFERENCE: CL001456  
: CURRENT APPLICATION NUMBER: US/60/453,135  
: CURRENT FILING DATE: 2003-03-10  
: NUMBER OF SEQ ID NOS: 82762  
: SOFTWARE: FastSeq for Windows Version 4.0  
: SEQ ID NO 1580  
: LENGTH: 2342  
: TYPE: DNA  
: ORGANISM: Homo sapiens  
US-60-453-135-1580

Query Match 29.7% Score 524: DB 18: Length 2342:  
Best Local Similarity 59.4% Prid. No. 1,2e-148;  
Matches 948: Conservative 12: Mismatches 612: Indels 24: Gaps 4:

OY 103 GCGCGACGCGAGACCTGGCGAAGAGAGAGAGTCTGCTGGCGGTGGGATTC 162  
Db 412 GCGCAGCCCGGAGACCTGGCGAAGAGAGATGACTTCTGCTGTCRATAGTCGCTTC 471  
OY 163 GCAGTGAATCTTGTAACTGTGGGATTTCCCTTACATCTGTACAGAAATGAGCGGT 222

Db 472 GCAGTGAACCTGGCAACGCTGTGGGCTTCCCTTACTCTGTGTACAGAAAGGCGGCT 531  
OY 223 GCGTTCCTGATCCGCTACTGCTTATGCTGCTGTTGGGCGGCTCCGCTGTTCTCTG 282  
Db 532 GCGTTCCTGATCCGCTACTGCTTATGCTGCTGTTGGGCGGCTCCGCTGTTCTCTG 591  
OY 283 GAATGGGCGCTGGGACAGTACACCGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 342  
Db 592 GAGCTGCTCTGGGACAGTACACCGGAGGAGGAGGCTGCGACCGCTTGGAAA---ATCTGC 648  
OY 403 TACAAACAGTATGAGTGGGCGGTATTAACCTGATGCTTCTCTCTCTCTCTCTCTCT 450  
Db 709 TACAAAGTATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 768  
OY 451 GCGTATTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 509  
Db 769 CCTGAGCGAGCTGTGGCCACACCTGAGACAGCCCACTGTACAGCCCAAGCTCTTC 828  
OY 510 -----GTGACGCGGCTACCTGACCTGACCTGATCTTACTCTTCTTCAACCGCGAAG 564  
Db 829 AATGCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 888  
OY 565 GAGTTCCTGAGACGATATGATTTGAGGAGCAGCAAGTCTAACGGCTGATGATGATGG 624  
Db 889 GAGTTCCTGAGACGATATGATTTGAGGAGCAGCAAGTCTAACGGCTGATGATGATGG 948  
OY 625 CGATCAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 684  
Db 949 CTGCGCCAGTGGCAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1008  
OY 685 TTTGTGAAGAAGTACAGAGTCTGGAAGGCTGTGTGGTGAACAGCTTGCGCCGCTAC 744  
Db 1009 CTCTGTGAAGAAGGCTGGAAGCATCAGGAAGGCTGTGTGGTGAACAGCTTGCGCT 1068  
OY 745 GTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 804  
Db 1069 TTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1128  
OY 805 CGCTACTACTTACCCAGAGTGGCAGAAATTTGCAAACTCTAAGTATGATGATGACGG 864  
Db 1129 AATGCTTACTGACATGACATCTTCTACGCTTGAAGAGGCCAGGATGATGATGATG 1188  
OY 865 GCATCCAGATTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 924  
Db 1189 GCAACTCAGATATTTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1248  
OY 925 TACAAACATTTCAACAAACAGTCTACAGGAGCGGCTGATCACTTCTTCAACATGCG 984  
Db 1249 TACAAACATTTGACAAACAGTCTACAGGAGCGGCTGATCACTTCTTCAACATGCG 1308  
OY 985 TTAGCAGCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1044  
Db 1309 ATACACAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1368  
OY 1045 CAGAACAGACATCGAGAGGTTGGCTGCGAAGGCTGAGATGATGATGATGATGATG 1104  
Db 1369 CACAAAGTACATGATGAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1428  
OY 1105 CCGGAGGAGTACGCGCAATGACAGGCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCT 1164  
Db 1429 CCGAGAGCCATTTCTACCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1488  
OY 1165 CTATTAACCTGAGGATTTGATCTTTTGGAGGCTGTTGAGGACATGAGGAGGCTCT 1224  
Db 1489 CTCTGCGCGCTGAGGCTTGAACACTCAATGAGGAGGATGAGGAGGCTCTTCAACAG 1548  
OY 1225 TCGCAGCAATATCTGAGTGTGTAGCAGACATGCGAAGTATTTGTGCTGTACTGCT 1284  
Db 1549 GCAGATGAGCT---TTCAGGTCTGGAAGCAGACCGGAACCTTTCACATTTGCTAC 1605

OY	1285	CTGTCATCTATTTTGGGCTCTGGCCACCAACATACGGGTGTATATACCTGTAGAC	1344
Db	1606	TTGACGACTTTCCTTCTCCCTCTTTGCGATACACAGGGGTGAATTAAGTCTTGACC	1665
OY	1345	CTACTCAATGTATATGGCCCTGATATGGCGATTTATTTCTGATATTGTGAGAGCTGCC	1404
Db	1666	CTCTGGACACCTTTGCTGGGGRGACCCCTCATCTTTTTCGTGTCTCATGGAAGCCATC	1725
OY	1405	GGCGTGTGCTGGGTATGCCCTGCACCGGTTCTCTGAAGATGTGAGAGCACCCTGGGG	1464
Db	1726	GGAGTTTCTGTTTATATGAGTGTGAGACAGTTTCAGCAACGACATTCACGACATGATGGG	1785
OY	1465	CACACCCCTGGATGGTCTGTGGAGACCTGTGTGCTTATACATCATCCTCCGTTTCTGCTG	1524
Db	1786	TTTCAGGGCCGGGTCTATATCTGAGACGTGCGGAAGTTCTGCAATCTCCCTGCTCTCTG	1845
OY	1525	GTGCTGTTCGTCTCTCCGTTCTGGACACAGAGAGATGCTGGCGGGGAATTAACCATAT	1584
Db	1846	TTGCTGTGTGTGTGCTAGCATCATCACTTCAGGCACCTCACTTACGACGACATCATCTTC	1905
OY	1585	CCCTCATGTCTATACACCGTAGGCTGGGTATGACCGGACACACCGTCTCGTGCAATCTT	1644
Db	1906	CCGGCCCTGGGCAACTGGGTGGGGATCGCCCTGCTCCATGATGCTCTGGTGCC	1965
OY	1645	CTTTACATTAATCTAACAACTGCTCATCATCTCTGGC	1680
Db	1966	ATCTACGTCATCTATAAGTCTCTAGACACGGAGGGC	2001

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RESULT 12
US-60-453-050-1580
: Sequence 1580, Application US/60453050
: GENERAL INFORMATION:
: APPLICANT: LUCHE, Michele
: TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
: TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: CLO01457
: CURRENT APPLICATION NUMBER: US/60/453,050
: CURRENT FILING DATE: 2003-03-10
: NUMBER OF SEQ ID NOS: 82762
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 1580
: LENGTH: 2342
: TYPE: DNA
: ORGANISM: Homo sapiens
: 60-453-050-1580

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Query Match	29.7%	Score 524	DB 18	Length 2342	
Best Local Similarity	59.4%	Pred. No. 1.2e-148			
Matches 948; Conservative	12;	Mismatches 612;	Indels 24;	Gaps 4	

Oy	103	GC	GGCGGACAGCGGAAACCTGTGGGCGGAAGAGCAGATCTCTGCGCGTGGGCGGATTC	162
Oy	412	GC	GAGGCCCGGGGAACTCGGGGGCAAGAAGATCGACTTCTGCTGTCATTAGTCGGCTTC	471
Oy	163	GC	AGTGGATCTTGGTAAAGCTGTGGCGATTCCCTTCATCTGTTTACCAGATGAGGCGGT	222
Oy	472	GC	AGTGGACCTGGGCCAAGCTGTGGGCGCTTCCCTACCTCTGCTACCAAGAACGGCGCGGT	531
Oy	223	GC	GTTTCCGATGCCCTACTGCGCTTATGCGTGTGGGCGGCGTGGCGCTGTTCTTCCTCG	282
Oy	532	GC	CTTCTTGATCCGCTACACACTGTTCTTATATCATCGGGGATGCCCCCTGTTTCTACATG	591
Oy	283	GA	ACTGGCGCTGGGCCAGTACCAACCGCTGGCGCTCCCTACACTCTGTGAAGACGATCTGC	342
Oy	592	GAG	CTGGCTTGGGACAGTACAACCGGAGGGGGCTGCCACCGTTTGGA---ATCTGC	648
Oy	343	CC	CGCGGCTTAAAGGTGTGGGCTATGCCATCTGCATGATGCAATCTACATGGGCGATGTAC	402
Oy	649	CC	ATTCTTCAAGGGCGTTGGCTATCTGTCAATCCGATGCGCCCTGTACCTGTGGCTTCTAC	708

QY	403	TACACACAGCATCATGGATGATGGGGCGGTGATATTCAGATGCGGTTCTC-----TCGC	450
Db	709	TACACAGCATCATGCGCTGGCTGGCTACCTACTACTACTCTTCTCTCTCTTCAACCTCAACCTG	768
QY	451	GCCTCTATTAACCTCTCTGCTGCATGAGACCAAGCTCGACAAACAGTAGGAAACAGCCGCT-	509
Db	769	CCCTGAGCAGCATGTGGGCGACACCTGGAAACAGCCCACTGATACGAGCCCAAGCTCTGC	828
QY	510	-----GTGCAGCGCGGTACCTCACTCACTAGACTAACTCTTCTTACACCGCCGAAG	564
Db	829	AATGGCTCCGTCTTGGCACCCACCAACCAAGTACTCAAGTACACAACTTACAGCCGGCACCC	888
QY	565	GAGTCTCTGCAACGATATGTATTGGAGAGACCAAGCTCAACGGCTGGATGATCAATGGGG	624
Db	889	GAGTTTATGACCGGCGGTGCTCTGCACCTTTCACGAGACAGCGGATTCATATCATATCGGC	948
QY	625	CCGATCAAGCCGTCTGCTGCTGTGTGTGTGGGGCTTGTGTCTCTGCTACTTCTTCC	684
Db	949	CTGCCCCAGTGGCAGACTCTGTGCTGTGTGATGATGTCGTCRATGCTGTGTGATTTATTAAG	1008
QY	685	TTTGCGAAGAGAGTCAGAGATGCTGGCAAGGTGTGTGGGTGACAGCTCTGGCCCCGTAC	744
Db	1009	CTCTGGAAGGGGTGAACATCAAGAAAGGGTGTGGATCATCAGACCCAGCAGCTGCTTAC	1068
QY	745	GTGGGTGCTGATCTTCTGTGGCGAGAGCGCATGAGCTTCCAGAGGACGAGCGAGCATPA	804
Db	1069	TTTCGTGCTGTCTGCTCTCTGTGTSATGAGCGTCAGCTGCCCCGGAGCCTCAATGGCATC	1128
QY	805	CGCTCTACTACTTACCCCGAGAGTGGCACAATTTGCAAACTCTAAGATATGATATGACCG	864
Db	1129	AMTGGCTACTGACATATGAGACTTTCACCGCTTGAAAGAGGCGCAGGTATGATATGATGC	1188
QY	865	GCATCCAGATTTCTTCTCCGTGGTCCCGGGTTTGGAAACCTTACTGGCGCTCTCCAGC	924
Db	1189	GCAACTCAGATATTTTTCCTTGGGGCGCTGGATTTGGAGTATGATTTGCCAGT	1248
QY	925	TACACAGTTCACAACAACATGCTACAGGAGCGGGCTATCACTTCTTATCAACAAGC	984
Db	1249	TACACAATTTTGAACAACACTGTTACAGGGATGCGCTGACGACAGCAGCTTCAACGT	1308
QY	985	TTGACACACTTCTCTGTGTGTGTCATATTTTCTGCTGGTTTGGGTATGATGGCGCAGT	1044
Db	1309	ATCACACACTTCTCTGTGGGTGGCCATCTTCTCATCTTGTGTATACATGSCCATGAA	1368
QY	1045	CAGAACAAAGCATCGAGAGGTTGGCTCGAAGGCCCTGGAGCTGTGTTCACTGTATC	1104
Db	1369	CACAAGCTCARTATGAGAGATGTGGCCACAGAAAGAGCTGGCCTAGTTCATCTCTGAT	1428
QY	1105	CCCGAGGCGATCGCCACATGACCGGGCCCGGTCTGGGCCATATGTCCTCTCTCAG	1168
Db	1429	CCAGGGCAATTTTACCTGTGTGGATCTATCATCTTGGGCTGTGTGTCTTTCCTCATG	1488
QY	1165	CTTATTTACCCCTGGAGCTTGACAGTACTTTTGGAGGCTTGTGAGGAGTCAACAGCGCTT	1224
Db	1489	CTCTGGGGGCTGGGCTTGACAGCTCATATGGAGGATGAGAGCGTCTATCAACRGCCGTG	1544
QY	1225	TGCGACGAATATCTCGAGTGTAGGACAGACATCGGAGATTTTGTGGCTGTACTGCTT	1288
Db	1549	GCAGATGACT---TCCAGGTCTCTGAAGGACACCGGAAACCTTTCACATTTTGGCTCAC	1608
QY	1285	CTGTTCACTATATTTTGGGCTCTGCCACCAACATACGGGTGTATTAATCTGCTAATC	1344
Db	1606	TTTCAAGCAATTTCTCTCTCCCTGTTCATTAACCAAGGGGGGAATTTTACCTCTTGAC	1668
QY	1345	CTATCAATATGTATGGCCCTGGATTTGGCGATTTATATCTGTGGATTTGTGAGGCTGCC	1400
Db	1666	CTCTCGGACACTTTTGTGCGRGACCTCCATCTTTTGTCTGTCTCATGSAAGCATTC	1722
QY	1405	GGCGTGTCTGGGTATGGGCTCGACCGGTTCTCTGGAAGATGTAGAGACCATGCTGGGG	1464
Db	1726	GGAGTTTCTGTGTTTATGAGATGAGTCAAGTTTCAACAACGACATCAACAGATGATGGGG	1788
QY	1465	CACACCCCTGATGGTCTTGGAGAGCACTGTGGTCTTATCATCATAGTCCCGTATTTCTGCTG	1524









